

SECURITY INFORMATION
CENTRAL INTELLIGENCE AGENCY

REPORT NO.

FD 33
2432

INFORMATION REPORT

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COUNTRY Poland

DATE DISTR. / FEB 54

SUBJECT Cockpit Layout and Operation of the
MIG-15 (RD-45 powered)

NO. OF PAGES 3

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(LISTED BELOW)DATE ACQUIRED BY SOURCE 25X1ASUPPLEMENT TO
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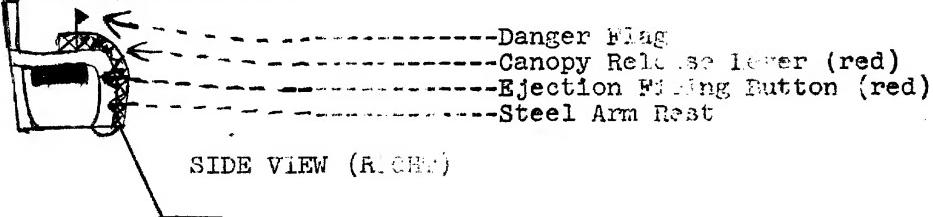
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SOURCE

1. Q. Give a complete and detailed description of the operations performed in closing the canopy of a MIG-15 (RD-45 powered) from inside the airplane.
 - A. In closing the canopy from the inside, the pilot sits in his seat and uses both hands to close the canopy.
2. Q. What causes the three atmosphere indication on the gauge when the canopy is sealed?
 - A. The three atmosphere indicates that the canopy is closed. An indication on the gauge must overlap another fixed point on the gauge in order for the canopy to be sealed.
3. Q. Please tell in detail what operations are performed to release the canopy for emergency ejection.
 - A. A lever located on the right side of the pilot seat is pushed forward. Many levers have a red danger flag which must be removed before the lever can be pushed forward. This is a safety device which prevents accidental opening of the canopy during take off, landing or during flight. When the lever is thrust all the way forward it disengages the canopy locks and throws the canopy rearward. Once the canopy is in its most rearward position, the pilot sits comfortably in the seat, places his feet solidly on the pedals and presses the ejection button located on the underside of the right arm rest.
4. Q. Give a complete and detailed description of the ejection seat showing the exact location of the ejection firing button.

25X1XA. the following sketches showing a side view (right) and a front view of the ejection seat.



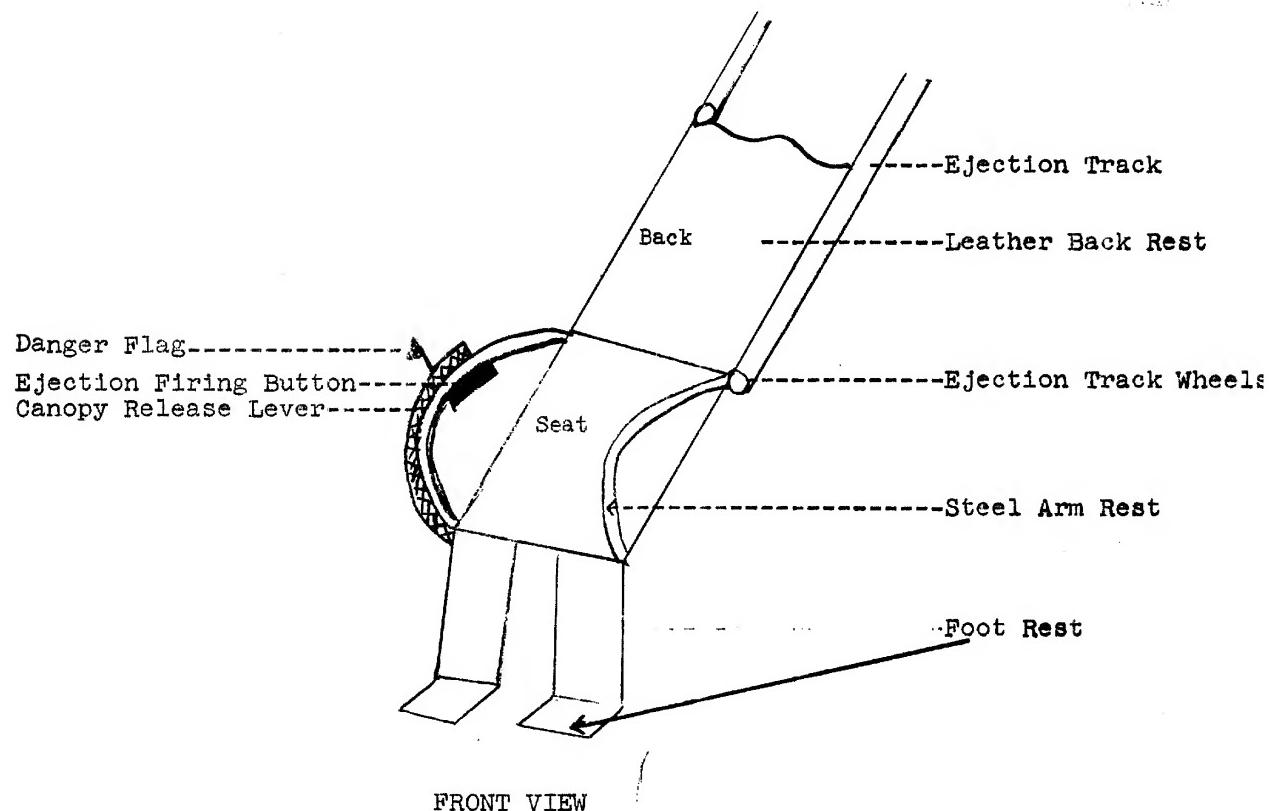
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FRONT VIEW

- Q. Does the seat have foot stirrups, arm, and head rests?
 A. No foot stirrups, but there are arm and head rests.
- Q. Is the seat adjustable vertically and horizontally?
 A. The seat is adjustable vertically only.
5. Q. Is the airplane serviced with air before every flight?
 A. The plane is serviced with air before every flight; 120 minimum atmosphere pressure before take-off.
6. Q. Where in the airplane is the battery located?
 A. The battery is in the nose of the airplane, directly in front of the pilot.
7. Q. Give a complete and detailed description of the preflight inspection.
 A. A general inspection is made by the pilot. Detailed inspection is made by mechanics. In the pilot's general inspection, all vents and air holes must be inspected, secondly the wheels are inspected; lastly the pilot checks the cabin and instrument panel.
8. Q. Give locations and means of opening all inspection doors.
 A. Inspection doors are opened with a screw driver.

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9. Q. Does the air pressure gauge read 8 atm or 8 x 10 atm when the airplane is serviced with air?
- A. It reads between 120 - 150 atmospheres.
10. Q. Is the starting button pushed with the thumb or little finger?
- A. There is no difference whether the thumb or little finger is used when pushing the starting button.
11. Q. Indicate on a sketch which buttons are depressed prior to starting.
- A. ~~From an available sketch source was unable to state which buttons are depressed prior to starting. Source claims that location of buttons to be depressed before starting varies in each plane.~~
12. Q. During engine run-up and at eight thousand revolutions per minute how is the generator checked? What are the meter readings? What should the oil pressure be? What should the fuel pressure be?
- A. If the voltage meter reads between 26 and 28, the generator is considered to be functioning properly. Oil pressure reading on the RD-45 should be between 3 to 5 atmospheres with 6 atmospheres as maximum. According to instructions, fuel pressure should be 72 atmospheres, however, in practice 50 to 60 atmospheres is acceptable.
13. Q. Are you certain that the gear selector valve handle is mounted below the instrument panel?
- A. Yes, that is the correct location.
14. Q. Describe in detail the cart used to supply power for starting the aircraft's turbine.
- A. The old-type cart was a two-wheeled cart capable of supplying power for one plane. The new type is a complete truck capable of servicing two planes simultaneously.
15. Q. It is mentioned that fuel is drained prior to starting the engine. To do this is it necessary to open the doors or remove the cover plates which are located to the right and left of the engine on the underside of the fuselage?
- A. I do not know.
16. Q. Describe the truck which was used to transport the disassembled airplane.
- A. A four-wheeled flat cart. It is attached to a truck and pulled away. The fuselage is placed on the cart and secured to the cart with leather straps. The cart can be elevated or lowered to the desired height.
17. Q. To what static height is the main shock strut inflated?
- A. I do not know.

-end-

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